

“Creating Scientists: CAHHP & the NGSS 8 Practices”

This quick course, designed for middle and high school teachers interested in integrating open inquiry learning into their classrooms, provides teachers the opportunity to better familiarize themselves with the Next Generation Science Standards 8 Practices, as well as the Montana Common Core Standards for English and Language Arts Literacy in Science. Using the Clean Air and Healthy Homes Program (CAHHP), a science education outreach program that provides rural and underserved student the opportunity to perform authentic scientific research as a framework, the teachers will explore the different levels of scientific inquiry, which of the NGSS 8 Practices and MCCS ELA/Literacy Standards are met at the different levels and which are being met in their classroom, areas that could be improved, and how CAHHP can help address these areas.

Course Objectives:

Teachers will:

- familiarize themselves with the NGSS 8 Practices and the Science and Technology Montana Common Core ELA standards.
- evaluate current classroom activities to identify what aspects of the 8 Practices and MCCS are being addressed, and which areas need improvement.
- analyze how opportunities provided by CAHHP for authentic scientific research and presentation of data address the 8 Practices and MCSS.
- identify how to integrate CAHHP into their classrooms.

Teachers completing this course, which should take approximately 3 hours, will earn **3 OPI renewal units**.